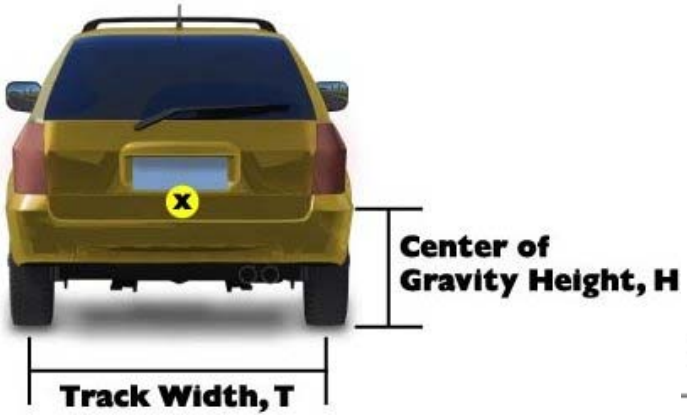
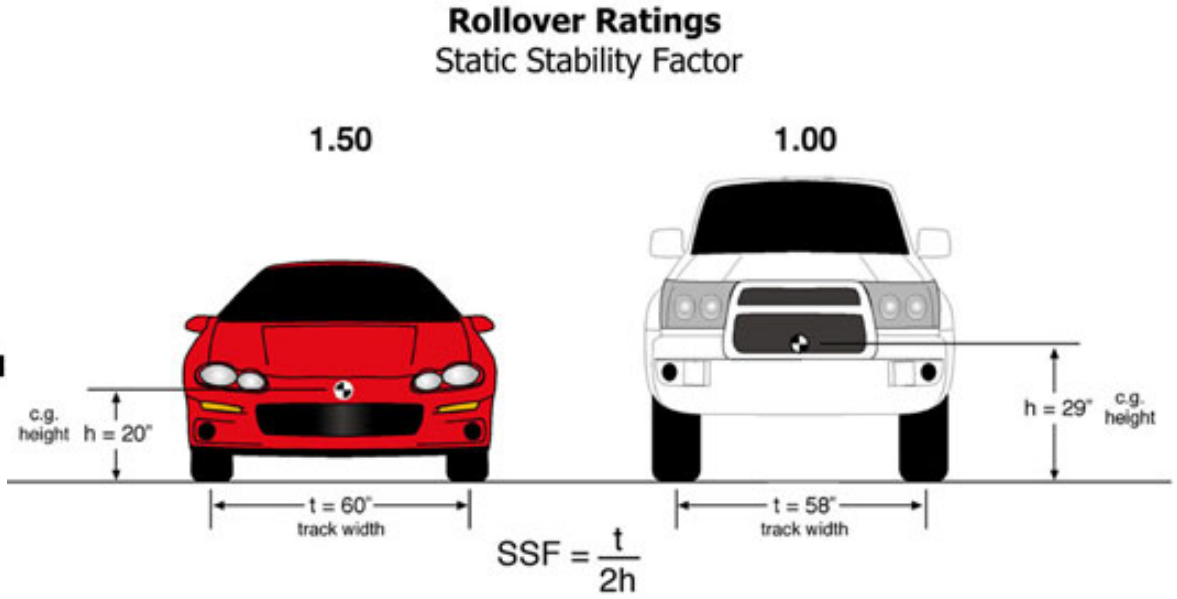
Static Stability Factor

Once the **center of gravity** (the place **where we assume the entire weight of the car is**) moves outside of the base of the wheels, the car rolls over





A higher SSF value equates to a more stable, less top-heavy vehicle

DO NOT MODIFY YOUR VEHICLE

Load

Load Vehicles Properly

Consult your vehicle's owner's manual to determine the maximum safe load for your vehicle, as well as proper load distribution. If you're using a roof rack, pay special attention to the manufacturer's instructions and weight limits. **Any load placed on the roof** will be above the vehicle's center of gravity, and **will increase** the vehicle's **likelihood of rolling over**.

Always properly secure the load

Load

NHTSA research has found that the **risk of a rollover** crash increases dramatically as passenger load **increases to full load in a 15-passenger van**. This increased risk occurs because the **passenger weight raises** the vehicle's **center of gravity** and causes the center to **shift rearward**.

You should *fill the front seats first*. The center of gravity shifts to the rear and upward increasing the likelihood of rollover as capacity increases.